

Duratray News

Innovation & Technology

July 2015



In the picture: Award winners at the 2015 Victorian Manufacturing Hall of Fame gala dinner

2015 VICTORIAN
MANUFACTURING
HALL OF FAME
ADVANCING MANUFACTURING

Duratray enters the Hall of Fame of Manufacturing

At the prestigious 2015 Victoria Manufacturing Hall of Fame gala dinner which was held in Melbourne on 26th May Duratray received the new Inductees Award.



The Minister for Industry, Mrs Lily D'Ambrosio, recognised 16 outstanding individuals and businesses across the manufacturing industry in the state of Victoria, among them Duratray International.

In a tradition that takes place every year, the Victorian Government acknowledges the achievements and excellence of all manufacturers throughout the state.

'Six new categories were introduced this year to reflect the state governments potential for extraordinary growth' says the press release sent to the media by Minister for Industry's office.

Duratray's successful entry to the awards night was a result of its efforts to continue fabricating products in Australia despite the current

downturn in the mining sector especially due to low commodity prices, which has forced many businesses in the state and in other states to close their doors, some permanently.

More than 70 businesses of all sizes competed in the category of Company Inductees but only fiveS were awarded this recognition status.

As a medium size company, Duratray had increased its exports and improved its production process to serve additional customers in new markets for the company such as in Kyrgyzstan, Siberia, Panamá and Zambia ➔

 Duratray was successfully welcomed to the Hall of Fame along with 4 more companies from different industries in Victoria.

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Highlight: SDB for Trolley Assist

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Duratray Rail Car System news

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FX steel trays in operation



SDBs Hitachi EH3500 in Zambia: Purpose-built for trolley assist

One of the largest copper mines in Africa is currently increasing production at its open-pit operation by employing a fleet of 200t haul trucks with overhead trolley-assist especially designed for long, steep, uphill climb conditions.

Among the fleet some Hitachi EH3500ACII trucks equipped with Duratray Suspended Dump Bodies (SDB's) have been recently commissioned as shown in the photographs.

The dump bodies commenced operation at the mine earlier this year, as part of the mine's goal of increasing production and expanding operations.

The new design of SDBs was purpose-built to suit the latest model of haul truck Hitachi EH3500ACII with external overhead electrical power supply to augment power supplied to the electrical wheel motors by the vehicle's on-board diesel engine and alternator.

By use of overhead electrical supply the truck has significantly higher speed for up-ramp climbs, as well as reduced fuel consumption and reduce wear on the diesel engine.

In addition to twelve conventional Duratray SDB's already working on Hitachi EH3500ACII trucks, these are the first dump bodies developed by Duratray to work with trucks using the trolley-assist system →

Suspended Railcar System Successfully Tested

A product trial incorporating the development of a new application for the Suspended Dump Body adapted to rail, called the DuraRail, has been successfully tested in one of the most important iron ore mines in Canada.



Developing the concept: Based on the achievements of 27 truck-mounted Duratrays at the same site, the first DuraRail prototype was developed as an opportunity to combine the suspended rubber benefits into a tailored design suitable to fit onto haul trains and integrating a similar

side-dumping mechanism of traditional steel ore wagons.

DuraRail consists of a flexible rubber wearmat anchored to the sites of the rail wagon walls allowing for efficiency when unloading due to the curved angles in the side corners, consistently eliminating carry-back or material hang ups.

Recently the engineering team on site met Duratray's experts to discuss the performance progress of the prototype. A series of dimensional tests, connection into 20-car ore trains, evaluation and loading/unloading trials have been undertaken during the past year, delivering successful results compared to traditional wagons.



New FX Steel light dump bodies running in mines across two continents

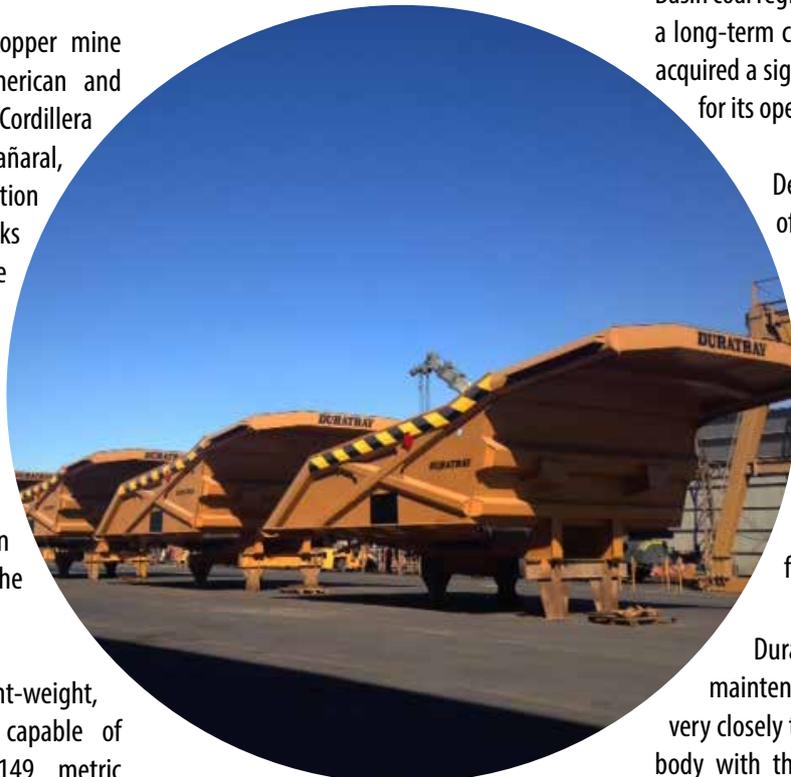
In spite of difficult industry conditions, increasing interest has been identified from mines regarding the benefits of the new models of FX-series lightweight steel dump bodies developed and marketed by Duratray.

Mantoverde, an open-pit copper mine 100% owned by Anglo American and located in the Chilean Coastal Cordillera 56km east of the city of Chañaral, required a cost-effective solution to add to its fleet of haul trucks and front loaders while guaranteeing an availability close to 100%. Following the mining methods and the mine strategy, fleet managers at Mantoverde were looking for dump body solutions to improve the time spent in operation while minimising the maintenance workload.

Duratray then offered a light-weight, high capacity dump body capable of carrying payloads above 149 metric tonnes with the objective of maximising movement of waste material hence increasing the mine's production capacity.

The project represents the expansion of existing relationships with Anglo American group by supplying Duratray FX-series steel dump bodies as an affordable and

cost-effective solution for Mantoverde, while ensuring low levels of maintenance as requested. As a result a new fleet of ten FX-series steel dump bodies for existing Caterpillar-785C trucks was acquired and was recently commissioned at the site.



This first fleet of FX-series Duratrays for Mantoverde increased the number of trays currently in operation across Anglo American's mine sites located in both South America and South Africa to more than a hundred units.

Colourful FX-series dump bodies for mines in the Bowen Basin

A similar case is presented in one of the large coal mines located in the Bowen Basin coal region of Eastern Australia where a long-term customer of Duratray recently acquired a significant fleet of FX steel trays for its operations inland of Mackay.

Despite the current situation of the commodity prices, this mine was seeking for an affordable alternative to improve its mining capacity. The mine released a tender among many suppliers of mining equipment and decided to select the FX-series Duratray coal bodies for the project.

Duratray worked with the mine maintenance and engineers team very closely to develop a truly light dump body with the main objective of reduce maintenance costs and increasing payload capacity for hauling coking coal which is a very low density material. Subsequently the mine acquired a fleet of 5 Duratray FX steel bodies, the last of which was commissioned during the last week of May-2015 and it is currently operating successfully at the mine.

EVENTS



Duratray displayed at CIM Convention 2015 in Montréal

The prestigious convention & tradeshow organised by the Canadian Institute of Mining (CIM), this year took place at the Palais des Congrès in Montréal and Duratray displayed its products at the event.

An impressive Appearance at Exponor 2015

In the same week as the CIM tradeshow, more than 35,000 visitors attended Exponor 2015 which was held in Antofagasta (Atacama region of northern Chile) during the second week of May. A total of 1064 suppliers exhibited.

Duratray as part of the Conymet International group demonstrated a new FX-series tray, part of the new fleet of FX steel dump bodies to be commissioned in Mantoverde copper mine – see separate article in this newsletter (pg. 3).



During the five days of product displays, seminars and conferences, engineers and mining executives from 30 countries visited Duratray's stand where they had the opportunity of interacting with a full-size dump body to suit Caterpillar 785C haul trucks.

The company closed its participation at the event with significant leads and prospects for the year ahead ➔

Attracting mining executives, students and mining experts from across Canada and other parts of the world, CIM-2015 gathered visitors and specialist lecturers during 3 days of conference and workshops. The main focus of the event was to explore 'new dimensions' to tackle the challenges facing the mining industry globally.

Duratray received visits by many existing clients, friends and prospects that left a significant number of possible projects for 2015 and 2016, especially to be developed in northern Canada. Some of these will likely add to the extensive fleets of Duratrays already operating in that country. Following the CIM conference visits were made to a number of offices and mines ranging from Vancouver in British Columbia across to Wabush in Labrador.

Want to know more about Duratray?

Meet our representatives displaying at AIMEX 2015

Hall 1 Stand 5825

1-4 September
Sydney Showgrounds



If you have any questions regarding our products and services, talk to us.

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